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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Florian GUNZER et al.
Serial No.: 10/089,487
Filed: August 12, 2002

New York, New York
Date: July 28, 2003
Group Art Unit: 1645
Examiner: ---

For: MULTIPLEX PCR FOR DETECTING EHEC INFECTIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUBMISSION

Sir:

Submitted herewith is a copy of a search report issued by a patent searching authority other than the PTO and the cited art together with a form listing the same for the convenience of the Examiner.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on July 28, 2003

Respectfully submitted,

Robert C. Faber

Name of applicant, assignee or
Registered Representative

Signature

July 28, 2003

Date of Signature

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APPLICANT'S ART CITATION (Use several sheets if necessary)	Application 10/089,487	OFGS File No. P/2107-210
	Applicant Florian GUNZER et al.	
	Filing Date August 12, 2002	Group Art Unit 1645

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM-YYYY	Name	Class	Sub-class	Filing Date If Appropriate
	US-6,511,831	01-2003	Bernhagen et al.	435	91.1	

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM-YYYY	Country	Class	Sub-class	Translation	
						Yes	No
	0 864 657 A1	09-1998	EPO				
	WO 99/57314	11-1999	PCT			X (Abstract only)	
	198 19 889 A1	11-1999	Germany (corresponds to WO 99/57314)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	✓	Franke et al. "Clonal Relatedness of Shiga-Like Toxin-Producing <i>Escherichia coli</i> O101 Strains of Human and Porcine Origin" J. Clin. Microbiol. (1995) 33(12) 3174-8.
	✓	Blanco et al. "Genes Coding for Enterotoxins and Verotoxins in Porcine <i>Escherichia coli</i> Strains Belonging to Different O:K:H Serotypes: Relationship with Toxic Phenotypes" J. Clin. Microbiol. (1997) 35(11) 2958-63.
	✓	Bonnet et al. "Non-O157:H7 Stx2-Producing <i>Escherichia coli</i> Strains Associated with Sporadic Cases of Hemolytic-Uremic Syndrome in Adults" J. Clin. Microbiol. (1998) 36(6) 1777-80.
	✓	Paton et al. "Detection and Characterization of Shiga Toxigenic <i>Escherichia coli</i> by Using Multiplex PCR Assays for <i>stx</i> , <i>stx</i> , <i>eaeA</i> , Enterohemorrhagic <i>E. coli</i> <i>hlyA</i> , <i>rfb</i> _{O111} , and <i>rfb</i> _{O157} " J. Clin. Microbiol. (1998) 36(2) 598-602.
	✓	Franck et al. "Multiplex PCR for Enterotoxigenic, Attaching and Effacing, and Shiga Toxin-Producing <i>Escherichia coli</i> Strains from Calves" J. Clin. Microbiol. (1998) 36(6) 1795-97.
	✓	Fagan et al. "Detection of Shiga-Like Toxin (<i>stx</i> , and <i>stx</i> ₂), Intimin (<i>eaeA</i>), and Enterohemorrhagic <i>Escherichia coli</i> (EHEC) Hemolysin (EHEC <i>hlyA</i>) Genes in Animal Feces by Multiplex PCR" (1999) 65(2) 868-872.
	✓	Sharma et al. "Semi-Automated Fluorogenic PCR Assays (TaqMan) For rapid Detection of <i>Escherichia coli</i> O157:H7 and Other Shiga Toxigenic <i>E. coli</i> " Mol. Cell Probes (1999) 13(4) 291-302.
	✓	Weinstein et al. "Cloning and Sequencing of a Shiga-like Toxin Type II Variant From <i>Escherichia coli</i> Strain Responsible for Edema Disease of Swine" J. Bacteriol. (1988) 170(9) 4223-4230

Examiner	Date Considered
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<p style="text-align: center;">APPLICANT'S ART CITATION (Use several sheets if necessary)</p> <p style="text-align: center;">JUL 30 2003 U.S. PATENT & TRADEMARK OFFICE</p>		Application 10/089,487		OFGS File No. P/2107-210			
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		Weinstein et al. "Cloning and Sequencing of a Shiga-like Toxin Type II Variant From <i>Escherichia coli</i> Strain Responsible for Edema Disease of Swine" J. Bacteriol. (1988) 170(9) 4223-4230 (NCBI Sequence Viewer, downloaded from www.ncbi.nlm.nih.gov on 6/25/03) (2 pages).					
		Reischl et al. "Real-time Fluorescence PRC Assays for Detection and Characterization of Shiga Toxin, Intimin, and Enterohemolysin Genes from Shiga Toxin-Producing <i>Escherichia coli</i> " J. Clin. Microbiol. (2002) 40(7) 2555-65 (NCBI Sequence Viewer, downloaded from www.ncbi.nlm.nih.gov on 6/24/03) (2 pages).					
		Blast 2 Sequence Results, download from www.ncbi.nlm.nih.gov on 6/25/03) (4 pages).					
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